

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Currently Amended) A method for controlling a processing of video data including coding or transcoding of video data such that said video data may be transmitted over a connection in a communication network, said connection employing a plurality of protocol layers, said method including:

performing said controlling of the processing of video data at a first application layer,

acquiring a value of one or more transmission condition parameters indicative of transmission conditions in the network, where said one or more transmission condition parameters are specific for a second layer provided lower than said first application layer,

deriving one or more values of one or more video control parameters ~~usable at said first application layer~~ from said value of said at least one transmission condition parameter,

providing to said first application layer said derived one or more values, and

performing at said first application layer said controlling of the processing of video data including coding or transcoding of video data in accordance with said derived one or more values.

2. (Original) The method of claim 1, wherein said connection comprises a predetermined link and said one or more transmission condition parameters relate to a condition of said predetermined link.

3. (Original) The method of claim 2, wherein said one or more values of said one or more transmission condition parameters are acquired at said second layer on a sending side of said predetermined link.
4. (Original) The method of claim 2, wherein said predetermined link is a radio link.
5. (Previously Presented) The method of claim 1, wherein said second layer is a link layer.
6. (Original) The method of claim 1, wherein said communication network is a wireless communication network, and said method is applied to the processing of video data in one or more of a mobile station in said wireless communication network, a base station in said wireless communication network, an interworking function between said wireless communication network and a fixed network, a terminal device in said fixed network, and a proxy server (50) provided in said wireless communication network or said fixed network.
7. (Canceled).
8. (Original) The method of claim 1, wherein said processing of video data comprises the forward error correction of said video data.
9. (Original) The method of claim 1, wherein said processing of video data comprises the packetization of said video data.
10. (Original) The method of claim 1, wherein said one or more transmission condition parameters are selected from a group consisting of the current transmission delay, the bandwidth allocated for a specific user, the current bit error rate, and the current frame erasure rate.

11. (Original) The method of claim 2, wherein said one or more transmission condition parameters are selected from a group consisting of the current carrier to interface ratio on the predetermined link and the current power-level on the predetermined link.
12. (Original) The method of claim 1, further comprising transmitting said video data in scalable form by having a base stratum and at least one enhancement stratum, and by deciding on the inclusion or exclusion of said enhancement stratum in the transmitted video data on the basis of the derived one or more values of said one or more video control parameters.
13. (Currently Amended) The method of claim 1, further comprising transmitting said video data in scalable form by having at least two independent bitstreams of video data, and by selecting one of between said at least two independent bitstreams as the transmitted video data on the basis of the derived one or more values of said one or more video control parameters, the selected bitstream being the transmitted video data.
14. (Previously Presented) A computer program product loadable into a computer-readable memory for a digital computer device, including software code portions for performing the method of claim 1 when said computer program product is run on said computer device.
15. (Previously Presented) A computer-readable storage medium storing the computer program product of claim 14 stored thereon.
16. (Currently Amended) A transmitting system for transmitting video data over a connection in a communication network that employs a plurality of protocol layers, comprising:

a processing element arranged to process video data to be transmitted at a first application layer including to code or transcode video data,

an acquisition element arranged to acquire a value of one or more transmission condition parameters indicative of a transmission condition associated with said connection, said one or more transmission condition parameters being specific for a second layer lower than said first layer, and

~~an a deriving element for deriving one or more values of one or more video control parameters usable by said processing element at said first application layer from said value of said one or more transmission condition parameters, said deriving element being arranged to provide said derived one or more values to said processing element at said first application layer,~~

where said processing element is arranged to control the processing of video data ~~including coding or transcoding video data in accordance with~~ ~~at~~ said first application layer based on said derived one or more values.

17. (Original) The transmitting system according to claim 16, wherein said acquisition element is a part of a control element provided for controlling the transmission of data over a predetermined link forming part of said connection, where said one or more transmission condition parameters are indicative of a transmission condition associated with said predetermined link.
18. (Original) The transmitting system according to claim 16, wherein said predetermined link is a radio link.
19. (Original) The transmitting system of claim 18, wherein said acquisition element is arranged such that said one or more values of said one or more transmission condition parameters are acquired at said second layer on a sending side of said radio link.
20. (Previously Presented) The transmitting system of one of claim 16, wherein said second layer is a link layer.

21. (Original) The transmitting system claim 16, wherein said communication network is a wireless network, and said processing element is provided in one or more of a mobile station in said wireless network, a base station in said wireless network, an interworking function between said wireless network and a fixed network, a terminal device in said fixed network, and a proxy server provided in said wireless network or said fixed network.
22. (Original) The transmitting system of claim 21, wherein said processing element, said acquisition element and said element for deriving values of video control parameters are all provided in one unit.
23. (Original) The transmitting system of claim 21, wherein said acquisition element is provided in a different unit than said processing element.
24. (Original) The transmitting system of claim 23, wherein said processing element is provided in one of a terminal device of said fixed network and a proxy server, and said acquiring element is provided in a base station of said wireless network.
25. (Original) The transmitting system of claim 16, wherein said processing element is arranged to perform coding or transcoding of said video data.
26. (Original) The transmitting system of claim 16, wherein said processing element is arranged to perform forward error correction of said video data.
27. (Original) The transmitting system of claim 16, wherein said processing element is arranged to perform packetization of said video data.
28. (Original) The transmitting system of claim 17, wherein said one or more transmission condition parameters are selected from a group consisting of the current transmission

delay on the link, the bandwidth allocated for a specific user on the link, the current bit error rate on the link, and the current frame erasure rate on the link.

29. (Original) The transmitting system of claim 18, wherein said one or more transmission condition parameters are selected from a group consisting of the current carrier to interface ratio on the radio link and the current power-level on the radio link.
30. (Original) The transmitting system of claim 16, wherein said processing element is arranged to control the transmission of said video data in scalable form by having a base stratum and at least one enhancement stratum, and is arranged to decide on the inclusion or exclusion of said enhancement stratum in the transmitted video data on the basis of the derived one or more values of said one or more video control parameters.
31. (Currently Amended) The transmitting system of claim 16, wherein said processing element is arranged to control the transmission of said video data in scalable form by having at least two independent bitstreams of video data, and is arranged to select one of between said at least two independent bitstreams as the transmitted video data on the basis of the derived one or more values of said one or more video control parameters, the selected bitstream being the transmitted video data.
32. (Currently Amended) A transmitting unit for transmitting video data over a connection in a communication network that employs a plurality of protocol layers, comprising:
 - a processing element arranged to process video data to be transmitted at an application first layer including to code or transcode video data,
 - an acquisition element arranged to acquire a value of one or more transmission condition parameters indicative of a transmission condition associated with said connection, said one or more transmission condition parameters being specific for a second layer lower than said first application layer, and

~~an a deriving element for deriving one or more values of one or more video control parameters usable by said processing element at said first application layer from said value of said one or more transmission condition parameters, said deriving element being arranged to provide said derived one or more values to said processing element at said first application layer,~~

~~where said processing element is arranged to control the processing of video data in accordance with including coding or transcoding video data at said first application layer based on said derived one or more values.~~

33. (Original) The transmitting unit of claim 32, wherein said communication network is a wireless network, and said unit is one of a mobile station in said wireless network, a base station in said wireless network, an interworking function between said wireless network and a fixed network, a terminal device in said fixed network, and a proxy server provided in said wireless network or said fixed network.